

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000866

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ H01L31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ H01L31/00-31/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 10-74962 A (Sharp Corp.), 17 March, 1998 (17.03.98), Fig. 1 Full text; all drawings (Family: none)	1, 2 1-4
Y	JP 63-269579 A (Toshiba Corp.), 07 November, 1988 (07.11.88), Full text; all drawings (Family: none)	1-4
Y	JP 2000-252680 A (Sharp Corp.), 14 September, 2000 (14.09.00), Par. Nos. [0008], [0022] (Family: none)	1-4

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search
27 April, 2005 (27.04.05)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 105917/1986 (Laid-open No. 10573/1988) (NEC Corp.), 23 January, 1988 (23.01.88), Fig. 1(c) (Family: none)	1-4
Y	JP 6-97510 A (Toshiba Corp.), 08 April, 1994 (08.04.94), Figs. 1, 2 (Family: none)	1-4
Y	JP 8-107224 A (Sharp Corp.), 23 April, 1996 (23.04.96), Fig. 6 (Family: none)	1-4
Y	JP 2001-305394 A (Sony Corp.), 31 October, 2001 (31.10.01), Column 4, lines 20 to 27 (Family: none)	3
A	JP 2003-298074 A (Seiko Instruments Inc.), 17 October, 2003 (17.10.03), (Family: none)	1-4
A	JP 7-273356 A (New Japan Radio Co., Ltd.), 20 October, 1995 (20.10.95), (Family: none)	1-4
E, A	JP 2005-51031 A (Rohm Co., Ltd.), 24 February, 2005 (24.02.05), (Family: none)	1-4